

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: September 3, 2002, 03:16:38 : Search time 46.74 Seconds
(without alignments)
115.617 Million cell updates/sec

Title: US-09-802-359B-1
Perfect score: 22
Sequence: 1 tgactgtgaacgttcgagatga 22

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents.NA.*
1: /cgn2_6/ptodata/1/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PTCUTS.COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20.4	92.7	22	4	US-09-092-314-2
2	18.8	85.5	22	4	US-09-092-314-1
3	18.8	85.5	22	4	US-09-092-314-3
4	18.8	85.5	22	4	US-09-092-314-10
5	17.2	78.2	22	4	US-09-092-314-4
6	15.6	70.9	22	4	US-09-092-314-5
7	15.6	70.9	22	4	US-09-092-314-7
8	15.6	70.9	22	4	US-09-092-314-8
9	15.6	70.9	1418	1	US-08-391-615-7
10	15.6	70.9	1830	4	US-09-019-931-2
11	15.6	70.9	2305	1	US-08-391-615-1
12	15.6	70.9	6909	2	US-08-804-196-1
13	15.6	70.9	6909	2	US-08-658-340-1
14	15.6	70.9	6909	3	US-08-746-111-26
15	15.2	69.1	1892	2	US-08-933-750C-66
16	15.2	69.1	1892	3	US-09-234-613-66
17	15.2	69.1	6636	2	US-08-070-301-2
18	14.8	67.3	882	1	US-08-622-354-4
19	14.6	66.4	195	4	US-08-686-993A-34
20	14.6	66.4	404	4	US-09-060-756-303
21	14.6	66.4	913	2	US-08-975-316-61
22	14.6	66.4	1532	3	US-09-118-324-1
23	14.6	66.4	1614	4	US-09-046-894-29
24	14.6	66.4	2001	4	US-09-341-587-2
25	14.6	66.4	2694	3	US-08-975-703-5
26	14.6	66.4	2694	4	US-09-515-884-5
27	14.6	66.4	5408	1	US-08-471-058-20

28	14.6	66.4	5408	3	US-08-471-057-20	Sequence 20, Appl
29	14.6	66.4	5802	4	US-09-341-587-4	Sequence 4, Appl
30	14.6	66.4	28720	4	US-09-341-587-7	Sequence 7, Appl
31	14.6	66.4	4403765	4	US-09-103-840A-2	Sequence 2, Appl
32	14.6	66.4	4411529	4	US-09-103-840A-1	Sequence 1, Appl
33	14.2	64.5	864	4	US-08-998-416-297	Sequence 297, App
34	14.2	64.5	1166	1	US-08-121-063-7	Sequence 7, Appl
35	14.2	64.5	176373	3	US-09-128-155-17	Sequence 17, Appl
36	14	63.6	77	1	US-08-399-412A-58	Sequence 58, Appl
37	14	63.6	95	4	US-08-952-793-258	Sequence 258, App
38	14	63.6	95	5	PCR-US96-09455A-258	Sequence 258, App
39	14	63.6	657	2	US-08-479-733A-22	Sequence 22, Appl
40	14	63.6	657	3	US-08-487-427-22	Sequence 22, Appl
41	14	63.6	657	3	US-08-479-727A-22	Sequence 22, Appl
42	14	63.6	657	3	US-08-482-369A-22	Sequence 22, Appl
43	14	63.6	657	3	US-09-009-217-10	Sequence 10, Appl
44	14	63.6	657	3	US-09-009-656-10	Sequence 10, Appl
45	14	63.6	657	5	PCR-US95-07439-22	Sequence 22, Appl

ALIGNMENTS

```
RESULT 1
US-09-092-314-2
: Sequence 2, Application US/09092314
: Patent No. 6225292
: GENERAL INFORMATION:
: APPLICANT: Raz, Eyal
: TITLE OF INVENTION: Inhibitors of DNA Immunostimulatory
: TITLE OF INVENTION: Sequence Activity
: Patent No. 6225292
: FILE REFERENCE: 6510-1730S1
: CURRENT APPLICATION NUMBER: US/09/092,314
: CURRENT FILING DATE: 1998-06-05
: PRIOR APPLICATION NUMBER: 60/048,794
: PRIOR FILING DATE: 1997-06-06
: NUMBER OF SEQ ID NOS: 11
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 2
: LENGTH: 22
: TYPE: DNA
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Oligonucleotide
US-09-092-314-2

Query Match          92.7%; Score 20.4; DB 4; Length 22;
Best Local Similarity 95.5%; Pred. No. 0.054;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 tgactgtgaacgttcgagatga 22
Db 1 tgactgtgaacgttcgagatga 22

RESULT 2
US-09-092-314-1
: Sequence 1, Application US/09092314
: Patent No. 6225292
: GENERAL INFORMATION:
: APPLICANT: Raz, Eyal
: TITLE OF INVENTION: Inhibitors of DNA Immunostimulatory
: TITLE OF INVENTION: Sequence Activity
: Patent No. 6225292
: FILE REFERENCE: 6510-1730S1
: CURRENT APPLICATION NUMBER: US/09/092,314
: CURRENT FILING DATE: 1998-06-05
: PRIOR APPLICATION NUMBER: 60/048,794
: PRIOR FILING DATE: 1997-06-06
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; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-092-314-1
```

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Query Match      85.5%; Score 18.8; DB 4; Length 22;
Best Local Similarity 90.9%; Pred. No. 0.36;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
OY 1 tgactgtgaacgttcgagatga 22
Db 1 tgactgtgaagcttagagatga 22
```

```
RESULT 3
US-09-092-314-3
; Sequence 3, Application US/09092314
; Patent No. 6225292
; GENERAL INFORMATION:
; APPLICANT: Raz, Eyal
; TITLE OF INVENTION: Inhibitors of DNA Immunostimulatory
; FILE REFERENCE: 6510-173US1
; CURRENT APPLICATION NUMBER: US/09/092,314
; CURRENT FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/048,794
; PRIOR FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-092-314-3
```

```
Query Match      85.5%; Score 18.8; DB 4; Length 22;
Best Local Similarity 90.9%; Pred. No. 0.36;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
OY 1 tgactgtgaacgttcgagatga 22
Db 1 tgactgtgaaccttagagatga 22
```

```
RESULT 4
US-09-092-314-10
; Sequence 10, Application US/09092314
; Patent No. 6225292
; GENERAL INFORMATION:
; APPLICANT: Raz, Eyal
; TITLE OF INVENTION: Inhibitors of DNA Immunostimulatory
; FILE REFERENCE: 6510-173US1
; CURRENT APPLICATION NUMBER: US/09/092,314
; CURRENT FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/048,794
; PRIOR FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
```

```
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-092-314-10
```

```
Query Match      85.5%; Score 18.8; DB 4; Length 22;
Best Local Similarity 90.9%; Pred. No. 0.36;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
OY 1 tgactgtgaacgttcgagatga 22
Db 1 tgactgtgaatgttagagatga 22
```

```
RESULT 5
US-09-092-314-4
; Sequence 4, Application US/09092314
; Patent No. 6225292
; GENERAL INFORMATION:
; APPLICANT: Raz, Eyal
; TITLE OF INVENTION: Inhibitors of DNA Immunostimulatory
; FILE REFERENCE: 6510-173US1
; CURRENT APPLICATION NUMBER: US/09/092,314
; CURRENT FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/048,794
; PRIOR FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-092-314-4
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Query Match      78.2%; Score 17.2; DB 4; Length 22;
Best Local Similarity 86.4%; Pred. No. 2.4;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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```
OY 1 tgactgtgaacgttcgagatga 22
Db 1 tgactgtgaagcttagagatga 22
```

```
RESULT 6
US-09-092-314-5
; Sequence 5, Application US/09092314
; Patent No. 6225292
; GENERAL INFORMATION:
; APPLICANT: Raz, Eyal
; TITLE OF INVENTION: Inhibitors of DNA Immunostimulatory
; FILE REFERENCE: 6510-173US1
; CURRENT APPLICATION NUMBER: US/09/092,314
; CURRENT FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/048,794
; PRIOR FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
```

FEATURE:
OTHER INFORMATION: Oligonucleotide
US-09-092-314-5

Query Match 70.9%; Score 15.6; DB 4; Length 22;
Best Local Similarity 81.8%; Pred. No. 16;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 tgactgtgaagctcgagatga 22
||||| | | | | | | | | | | | | | | | | |
Db 1 tgactgtgtcccttagagatga 22

RESULT 7
US-09-092-314-7
Sequence 7, Application US/09092314
Patent No. 6225292
GENERAL INFORMATION:
APPLICANT: Raz, Eyal
APPLICANT: Roman, Mark
TITLE OF INVENTION: Inhibitors of DNA Immunostimulatory
TITLE OF INVENTION: Sequence Activity
Patent No. 6225292
FILE REFERENCE: 6510-173US1
CURRENT APPLICATION NUMBER: US/09/092,314
CURRENT FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/048,794
PRIOR FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 11
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 22
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide
US-09-092-314-7

Query Match 70.9%; Score 15.6; DB 4; Length 22;
Best Local Similarity 81.8%; Pred. No. 16;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 tgactgtgaagctcgagatga 22
||||| | | | | | | | | | | | | | | | | |
Db 1 tgactgtgagagctagagatga 22

RESULT 8
US-09-092-314-8
Sequence 8, Application US/09092314
Patent No. 6225292
GENERAL INFORMATION:
APPLICANT: Raz, Eyal
APPLICANT: Roman, Mark
TITLE OF INVENTION: Inhibitors of DNA Immunostimulatory
TITLE OF INVENTION: Sequence Activity
Patent No. 6225292
FILE REFERENCE: 6510-173US1
CURRENT APPLICATION NUMBER: US/09/092,314
CURRENT FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/048,794
PRIOR FILING DATE: 1997-06-06
NUMBER OF SEQ ID NOS: 11
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 8
LENGTH: 22
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide
US-09-092-314-8

Query Match 70.9%; Score 15.6; DB 4; Length 22;
Best Local Similarity 81.8%; Pred. No. 16;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 tgactgtgaagctcgagatga 22
||||| | | | | | | | | | | | | | | | | |
Db 1 tgactgtgagagctagagatga 22

RESULT 9
US-08-391-615-7
Sequence 7, Application US/08391615
Patent No. 5550054
GENERAL INFORMATION:
APPLICANT: Witte, Owen
APPLICANT: Tsukada, Satoshi
APPLICANT: Saffran, Douglas
APPLICANT: Rawlings, David
TITLE OF INVENTION: HEMATOPOIETIC RESTRICTED TYROSINE KINASE
TITLE OF INVENTION: 7
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/391,615
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/006,449
FILING DATE: 21-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Rowland, Berttram I
REGISTRATION NUMBER: 20,015
REFERENCE/DOCKET NUMBER: A-57583-1/BIR UCLA 232-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299 FHT UR
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1418 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-391-615-7

Query Match 70.9%; Score 15.6; DB 1; Length 1418;
Best Local Similarity 81.8%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 tgactgtgaagctcgagatga 22
||||| | | | | | | | | | | | | | | | | |
Db 218 TGACCTTGAACGTGCGAGAGA 239

RESULT 10
US-09-019-931-2
Sequence 2, Application US/09019931
Patent No. 6194148

GENERAL INFORMATION:
APPLICANT: Hori, Kunio, Takahashi, Takeo, Okada, Takeo
TITLE OF INVENTION: A Method For Detecting A Hybridized
TITLE OF INVENTION: Nucleic Acid Molecule
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Frisshauf, Holtz, Goodman, Langer & Chick
STREET: 767 Third Avenue
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10017-2023
COMPUTER READABLE FORM:
MEDIUM TYPE: 3+ Inch, 1.44 mb diskette
COMPUTER: IBM PC
OPERATING SYSTEM: MS DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/019,931
FILING DATE: 06-FEB-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 9-025291
FILING DATE: 07-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Barth, Richard
REGISTRATION NUMBER: 28,180
REFERENCE/DOCKET NUMBER: 980048/HG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 319-4800
TELEFAX: (212) 319-5101
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1830
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
IMMEDIATE SOURCE:
LIBRARY: PGEX-PH
US-09-019-931-2

Query Match 70.9%; Score 15.6; DB 4; Length 1830;
Best Local Similarity 81.8%; Pred. No. 30;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 1 tgactgtgaacgttcgagatga 22
||||| ||||| ||||| ||

Db 881 TGACTTTGACGTGGGAGAGA 902

RESULT 11
US-08-391-615-1
Sequence 1, Application US/08391615
Patent No. 5550054
GENERAL INFORMATION:
APPLICANT: Witte, Owen
APPLICANT: Tsukada, Satoshi
APPLICANT: Safiran, Douglas
APPLICANT: Rawlings, David
TITLE OF INVENTION: HEMATOPOIETIC RESTRICTED TYROSINE KINASE
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/391,615
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/006,449
FILING DATE: 21-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Rowland, Bertram I
REGISTRATION NUMBER: 20,015
REFERENCE/DOCKET NUMBER: A-57583-1/BIR UCLA 232-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299 FHT UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2505 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 137..2116
US-08-391-615-1

Query Match 70.9%; Score 15.6; DB 1; Length 2505;
Best Local Similarity 81.8%; Pred. No. 32;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 1 tgactgtgaacgttcgagatga 22
||||| ||||| ||||| ||

Db 262 TGACTTTGACGTGGGAGAGA 283

RESULT 12
US-08-804-196-1/C
Sequence 1, Application US/08804196
Patent No. 5874256
GENERAL INFORMATION:
APPLICANT: Reitsma, Pieter
TITLE OF INVENTION: A method for diagnosing an increased
TITLE OF INVENTION: risk for thrombosis or a genetic defect causing
TITLE OF INVENTION: thrombosis and kit for use with the same.
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Akzo No. 5874256e1 Patent Department
STREET: 1300 Piccard Drive, Suite 206
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/804,196
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/454,353
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Gormley, Mary E.
REGISTRATION NUMBER: 34,409
TELECOMMUNICATION INFORMATION:


```

? CITY: Palo Alto
? STATE: CA
? COUNTRY: USA
? ZIP: 94304
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Diskette
? COMPUTER: IBM compatible
? OPERATING SYSTEM: DOS
? SOFTWARE: FastSeq for Windows Version 2.0
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/933,750C
? FILING DATE: September 23, 1997
? CLASSIFICATION: 536
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER:
? FILING DATE:
? ATTORNEY/AGENT INFORMATION:
? NAME: Billings, Lucy J.
? REGISTRATION NUMBER: 36,749
? REFERENCE/DOCKET NUMBER: PF-0356 US
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 415-855-0555
? TELEFAX: 415-845-4166
? TELEX:
? INFORMATION FOR SEQ ID NO: 66:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1892 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? IMMEDIATE SOURCE:
? LIBRARY: BRSTNOT03
? CLONE: 641127
? US-08-933-750C-66

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Query Match 69.1%; Score 15.2; DB 2; Length 1892;
Best Local Similarity 85.0%; Pred. No. 49;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1 tgactgtgacgttcgagat 20
   ||| ||||| ||||| |||
Db 1278 TGAATGTGAAGGTTGAGCT 1259

```

Search completed: September 3, 2002, 04:25:20
Job time: 4122 sec